

LEYTMAN, M.Z.; ALFEROVA, V.B.; KUZ'MINOVA, M.L.; SLAVINA, Kh.M.;  
ZHIDANOVA, L.D.; MOKEYEVA, A.D.; BOGACHEVA, R.I.; GINZBURG, G.M.;  
~~GOTGIL'Y, M.M.~~; SMIRNOVA, T.T.

Study of the effectiveness of subcutaneous immunization  
against dysentery with Chernokhvostov's alcohol vaccine.  
Trudy Tash. NIIVS 5:59-71'62. (MIRA 16:10)  
(DYSENTERY — PREVENTIVE INOCULATION)

KHEYFETS, L.B.; SALMIN, L.V.; LEYTMAN, M.Z.; KUZ'MINOVA, M.L.;  
VASIL'YEVA, A.V.; GAL'PERIN, I.P.; SLAVINA, A.M.; ZHDANOVA, L.D.  
PLETNEVA, O.G.; VARSANOVA, Ye.Ya.; GINZBURG, G.M.; GLYAZER, N.G.;  
MEL'NIK, Ye.Yu.

Comparative evaluation of typhoid fever vaccine prepared by various  
methods, materials from an epidemiological experiment in 1961.  
Zhur. mikrobiol., epid. i imm. 41 no. 2:70-76 F '64.  
(MIRA 17:9)

1. Moskovskiy institut vaktzin-i syvorotok imeni Mechnikova,  
Tashkentskiy institut vaktsin i syvorotok i Ashkhabadskiy  
institut epidemiologii, mikrobiologii i gigiyeny.

SKLYAROV, V.M., otv. red.; GRIBANOV, N.N., red.; MUROMTSEV, A.M., red.; POGOSYAN, Kh.P., red.; PROTOPOPOV, V.S., red.; RUDNEV, G.V., red.; SOKOLOV, A.A., red.; SOLOV'YEV, V.A., red.; USMANOV, R.F., red.; ZHDANOVA, L.P., red.; RUSAKOVA, G.Ya., red.; CHEPELKINA, L.A., red.; KOLESOVA, Z.M., tekhn.red.

[Man and the elements; hydrometeorologic desk calendar for 1964] Chelovek i stikhia; nastol'nyi gidrometeorologicheskii kalendar' 1964. Leningrad, Gidrometeorologicheskoe izd-vo, 1963. 154 p. (MIRA 17:2)

BOBOSHKO, D.Ye.; ZHDANOVA, L.A. (derevnya Ust'kyna, Arkhangel'skoy oblasti)

Responses to our articles. Zhivotnovodstvo 23 no.5:86 My '61.  
(MIRA 16:2)

1. Ispolnyayushchiy obyazannosti starshego veterinarnogo  
vracha Nachikinskogo sovkhosa Kamchatskoy oblasti (for Boboshko).  
(Stock and stockbreeding)

SHAKH, A.D.; ZHDANOVA, L.A.; KARASEVA, A.F.

Industry of rubber goods for engineering uses in the first half  
of 1960. Kauch.i rez. 19 no.12:35-39 D '60. (MIRA 13:12)

1. Nauchno-issledovatel'skiy Institut rezinovoy promyshlennosti.  
(Rubber goods)

TURKOVA, N.S.; ZHDANOVA, L.A.; PETERBURGSKAYA, Ye.A.

Effect of heteroauxin on nuclein metabolism in plants. Vest.  
Mosk.un.Ser.biol., pochv., geol., geog. 14 no.4:25-32 '59.  
(MIRA 13:6)

1. Kafedra fiziologii rasteniy Moskovskogo universiteta.  
(IDOLACETIC ACID)  
(PLANTS--METABOLISM)  
(NUCLEIC ACIDS)

SHAIKH, A.D.; ANDANOVA, L.A.

Operation of plants producing industrial rubber goods in  
the first half of 1959. Kauch. i rez. 19 no.1:33-35  
Ja '60. (MIRA 13:5)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti.  
(Rubber industry)

USSR/Plant Physiology - General

I.

Abs Jour : Ref Zhur - Biol., № 21, 1958, 95598

Author : Andreyenko, S.S., Zhdanova, L.A.

Inst : Moscow University

Title : On the Problems of Physiological Differences of Winter  
and Spring Wheats.

Orig Pub : Vestn. Mosk. un-ta, Ser. Biol., pochvoved., geol. geoogr.,  
1957, No 2, 29-37

Abstract : The content of chlorophyll, photosynthesis, respiration,  
growth of root systems, absorption of N, P and K, reducing  
activity, accumulation of sucrose and reducing sugars  
was determined in 10-, 15-, 20- and 35 day sprouts of  
winter wheat No 599 and spring lutescens 062 raised under  
water cultivation conditions with a pH of 6.5. A more  
intensive growth was noted of the root systems in the

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- 2 -

USSR/Plant Physiology - General

I,

Abs Jour : Ref Zhur - Biol, No 21, 1958, 95598

early stages of development in winter wheat. The spring wheat with a smaller volume of roots absorbed a great quantity of mineral substances, especially of P. Intensity of photosynthesis and respiration in spring wheats was less than in winter wheats. More reducing sugars and saccharose were accumulated in the roots and leaves of winter wheat sprouts than in the spring. No clear difference in the content of chlorophyll in the leaves of winter and spring wheat was noted. -- L.K. Polishchuk

Card 2/2

ZHDANOVA, L. A.

ANDREYENKO, S. S.; ZHDANOVA, L. A.

Physiological differences of spring and winter wheat. Vest.Mosk.  
un.Ser.biol., pochv., geol., geog. 12 no.2:29-37 '57. (MIRA 10:10)

1.Kafedra fiziologii rastenii Moskovskogo universitata.  
(Wheat)

KHEYFETS, L.B.; LEYTMAN, M.Z.; KUZ'MINOVA, M.L.; SALMIN, L.V.;  
SLAVINA, A.M.; ZHDANOVA, L.D.; PLETNEVA, O.G.; KOYERMAN, L.I.;  
GINZBURG, G.M.; VARSANOVA, Ye.Ya.; MEL'NIK, Ye.Yu.

Studies on the epidemiological effectiveness of alcohol  
corpuscular and chemical sorbed typhoid and paratyphoid  
fever vaccines. Zhur. mikrobiol., epid. i immun. 33 no.7:  
53-59 Jl '62. (MIRA 17:1)

1. Iz Moskovskogo instituta vaktsin i syvorotok imeni  
Mechnikova i Tashkentskogo instituta vaktsin i syvorotok.

ZHDANOVA, L. D.: Master Med Sci (diss) -- "On the problem of the rate of infection of the reservoirs of the city of Tashkent with typhus-paratyphus and dysentery microbes". Tashkent, 1959. 15 pp (Tashkent State Med Inst), 230 copies (KL, No 9, 1959, 117)

SHAKH, A.D.; KARASEVA, A.F.; ZHDANOVA, L.A.; LEBEDEVA, Ye.P.

Technical and economic indices of the operation of plants  
manufacturing technical rubber goods in 1959. Kauch. i rez.  
19 no.8:38-42 Ag '60. (MIRA 13:9)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti.  
(Rubber goods)

LEYTMAN, M.Z.; SLAVINA, A.M.; ZHDANOVA, L.D.; ABDUSAMATOV, M.A.

Effectiveness of antibiotics in inactivating experimental bacterial carriage in rabbits. Zhur.mikrobiol., epid. i immun. 32 no.10:57-58 O '61. (MIRA 14:10)

1. Iz Tashkentskogo instituta vaktsin i syvorotok.  
(ANTIBIOTICS) (BACTERIA, PATHOGENIC)

ZHDANOVA, L.D.

Effect of some phytocides and antibiotics on Flexner's dysentery  
bacillus. Vop. kraev. pat. no.4:18-19 '54. (MIRA 9:12)  
(SHIGELLA PARADYSENTERIAE) (ANTIBIOTICS)  
(PHYTOCIDES)

LEYTMAN, M.Z.; SLAVINA, Kh.M.; ZHDANOVA, L.D.; PLETNEVA, O.G.

Data on early laboratory diagnosis of abdominal typhus under  
polyclinical conditions. Nauch.trudy uch.i prak.vrach.Uzb.  
no.3:134-139 '62. (MIRA 16:2)  
(UZBEKISTAN—TYPHOID FEVER)

ZHDANOVA, L. G.

ZHDANOVA, L. G. -- "Microbiological and Epidemiological Properties of Sonne Dysentery." First Moscow Order of Lenin Medical Inst imeni I. M. Sechenov. Moscow, 1955. (Dissertation for the Degree of Candidate in Medical Sciences).

So.: Knizhnaya Letopis', No. 2, 1956.

KUZ'MINOVА, M.L.; SLAVINA, Kh.M.; ZHDANOVA, L.D.; PLETNEVA, O.G.;  
BUSEL', A.L.; MULOKANDOV, B.P.

Etiological significance of certain serological types of  
Escherichia coli in dyspepsia. Med. zhur. Uzb. no.4:20-24  
Ap '60. (MIRA 15:3)

1. Iz kishechnogo otdela Instituta vaktsin i syvorotok i  
kafedry pediatrii Tashkentskogo gosudarstvennogo instituta  
usovershenstvovaniya vrachey i Tashkentskogo gosudarstvennogo  
meditsinskogo instituta.

(ESCHERICHIA COLI)  
(DYSPEPSIA)

Lukashina, L. S.

"Vi-Agglutination Reaction and Its Significance in the Detection of Typhoid Fever Carriers," Vopr. Kreyevoy Patologii AN UzSSSR, No 3, pp 19-22, 1953

The sera which are to be examined are diluted 1/10 to 1/1280, added to a 4-hour bouillon culture of strain "Bhatnagar" Vi<sub>1</sub>. The samples are kept for 2 hours at 38°C and 18 hours at room temperature. All the chronic typhoid fever carriers (13) gave a positive reaction. The author concluded that the Vi agglutination with antigen Vi<sub>1</sub> "Bhatnagar" is specific for the discovery of carriers in nonvaccinated areas. (RZhBiol, No 3, 1955)

Sum. No. 681, 7 Oct 55

GIL'DIN, S. R., SHTERNGOL'D, YE. YA., ASHMARIN, I. I., ZHDANOVA, L. D.,  
ZVAGEL'SKAYA, V. N., KALININA, YE. F., LOSKUTOVA, N. N., PYZHOOVA, M. M., AND  
SLAVINA, A. M.

Further Observations on the Effectiveness of Subcutaneous Vaccination Against Dysentery

Shows that the epidemiologic effectiveness of subcutaneous vaccination against dysentery is very low and has no advantages over the enteral method. (PZhBiol, No. 7, 1955) Vopr. Krayevoy Patologii AN UzSSR, 3, 1953, 51-52

SO: Sum No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

*24/11/68*  
GIL'DIN, S. R., SHTERNGOL'D, YE. YA., ASHMARIN, I. I., ZHDANOVA, L. D.,  
ZVAGEL'SKAYA, V. N., KALININA, YE. F., LOSKUTOVA, N. N., PYZHOOVA, M. M., AND  
SLAVINA, A. M.

Further Observations on the Effectiveness of Subcutaneous Vaccination Against  
Dysentery

Shows that the epidemiologic effectiveness of subcutaneous vaccination  
against dysentery is very low and has no advantages over the enteral method.  
(RZhBiol, No. 7, 1955) Vopr. Krayevoy Patologii AN UzSSR, 3, 1953, 51-52.

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific  
Abstracts (17)

PERS, I.F.; ZHDANOVA, L.G.

Effect of ultrasonics on the biological properties of bacteria of the intestinal group. Report No.2: Change in the biochemical properties and antigen structure of Shigella and Salmonella under the effect of ultrasonics. Zhur. mikrobiol., epid. i immun. 41 no.3:27-33 Mr '64. (MIRA 17:11)

1. Moskovskiy institut vaktsin i sывороток имени Мечникова.

ZHDANOVA, L.G.; GRUBER, I.M.

Obtaining monostratal cellular cultures of human embryonic  
intestinal tissue. Zhur.mikrobiol., epid. i immun. 42  
no.9:71-75 S '65. (MIRA 18:12)

1. Moskovskiy institut vaktsin i sывороток имени Мечникова.  
Submitted June 20, 1964.

ZHDANOVA, L. G.

F-1

USSR Microbiology. General Microbiology.

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35487

Author : Pers, I.F.; Zhdanova, L.G.; Golman, M.I.

Title : Concerning the "Species Forming" Variability of  
the Dysentary Bacteria Sonne and Flexner. Report  
1. Biological Properties of Variants Obtained As  
the Result of the Variability of Dysentary Bac-  
teria Sonne and Flexner

Orig Pub: Tr. Mosk. n.-i. in-ta vaktsin i syvorotok, 1956,  
8, 297-303

Abstract: The authors adapted the method of single-cell  
cultures for the study of changeability of dysen-  
tary bacteria. Twenty-six cultures of dysentary  
bacteria Flexner and Sonne were utilized. For a  
much more effective factor of changeability, they  
chose the method of "aging" (prolonged preservation

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USSR /Microbiology. General Microbiology.

F-1

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35487

without resowing at room temperature). In the numerous variants obtained, the cultural and biochemical properties, the antigen structure, and also the pathogenicity for mice during enteral infections were thoroughly studied. On the basis of such a study, the variants were divided into several groups beginning with the variants having a comparably small deviation from the original properties, and ending with the variants which were fully identified with the paratyphoid bacteria of the Breslau type or the para-intestinal bacilli, but according to the antigen structure were closer to the dysentary or paratyphoid bacteria.

Card 2/2

PERS, I.F.; ZHDANOVA, L.G.

Special cuvette for the effect of ultrasound on biological objects. Lab. delo no. 8:505-508 '64. (MIRA 17:12)

1. Moskovskiy nauchno-issledovatel'skiy institut vaktsin i svyorotok im. I.I.Mechnikova.

ZHDANOVA, L.Q.; PERS, I.F.

Action of ultrasonics on the biological properties of bacteria of  
the enteric group. Report No.1: Disintegrating action of ultra-  
sonics. Zhur.mikrobiol., epid. i immun. 32 no.11:73-79 N '61.  
(MIRA 14:11)

I. Iz Moskovskogo instituta vaktsin i sывороток имени Mechnikova.  
(ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT)  
(INTESTINES—MICROBIOLOGY)

*ZHDANOV, L. G.*  
USSR /Microbiology. General Microbiology.

F-1

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35488

Author : Pers, I.F.; Zhdanova, L.G.; Golman, M.I.

Title : Concerning the "Species Forming" Variability of  
the Dysentery Bacteria of Sonne and Flexner.  
Report 2. The Nature of the Para-agglutinating  
Strains

Orig Pub: Tr. Mosk. n.-i. in-ta vaktsin i syvorotok, 1956,  
8, 304-307

Abstract: On the basis of experiments with the "aging" of  
dysentery cultures obtained from one cell, the  
author comes to the conclusion that the so-called  
para-agglutinating strains of intestinal and  
para-intestinal bacteria themselves produce the  
variants of pathogenic bacteria of the intestinal  
group. The specification of the antigens in the

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USSR /Microbiology. General Microbiology.

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Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35488

variants obtained by such means was confirmed by the reaction of agglutination with mono-receptor sera and the reaction of adsorption of agglutinin according to Castellan's manner. Para-strains having antigens of the Breslau bacteria proved to be pathogenic in experiments on the feeding of mice.

Card 2/2

ZHDANOVA, L. G.

F-1

USSR Microbiology. General Microbiology

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35489

Author : Pers, I.F.; Zhdanova, L.G.; Golman, M.I.

Title : Concerning the "Species Forming" Variability of  
the Dysentery Bacteria of Sonne and Flexner.  
Report 3. Concerning the Dynamics, Direction  
and Diapason of the Variability of Bacteria of  
the Intestinal Group.

Orig Pub: Tr. Mosk. n.-i. in-ta vaktsin i syvorotok, 1956,  
8, 308-315

Abstract: The authors on the basis of numerous data from  
literature and of personal experimental research  
come to the conclusion that the variability of  
the bacteria of the intestinal group has a really  
distinct inclination towards the formation of

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USSR /Microbiology. General Microbiology.

F-1

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35489

variants similar to phylogenetically earlier species and to a diapason of variability up to the variants of the alkali-forming type. Noted is the presence of consistent stages of variability. The uniformity of these changes is determined by the community of phylogenesis of the bacteria of the intestinal group. The authors reject the term put forth by some researchers of "saprophytization" of pathogenic microbes in the process of evolution. In the opinion of the authors, the variants of the Breslau type of bacteria obtained from dysentary bacteria, completely pathogenic and virulent, are "saprophytes" no more than the dysentary bacteria from which they were obtained. The authors further consider that the convergence during the aging of culture in laboratory con-

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Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35489

ditions is due not to a "restoration" of vestiges lost by this or that species during its stay in a medium or in a human organism, but to a deepening variation in a distinct direction. It is the opinion of the authors that on the basis of the data received, a change should be made in the genealogical scheme of Minkevich and it should be assumed that the species of the intestinal and para-intestinal bacilli, of paratyphoid B of the Breslau bacteria, and the dysentary bacteria, are linked by a single line of evolutionary development in the above stated sequence.

Card 3/3

ZHDANOVA, L. G.

F-1

USSR Microbiology. General Microbiology.

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35490

Author : Pers. I.F.; Zhdanova, L.G.; Golman, M.I.

Title : Concerning the "Species Forming" Variability of  
the Dysentary Bacteria of Sonne and Flexner.  
Report 4. Some Questions of Biology in the  
Study About Variability of Bacteria of the In-  
testinal Group.

Orig Pub: Tr. Mosk. n.-i. in-ta vaktsin i syvorotok, 1956,  
8, 316-322

Abstract: The theoretical basis of the experimental data  
obtained by the authors and stated in the pre-  
ceding reports. An analysis is made of the  
experimental as well as the literature material

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USSR /Microbiology. General Microbiology.

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Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35490

from the point of view of Michurin's teaching. The authors come to the following conclusions: manifestations of variability in cultures of bacteria of the intestinal group in conditions which are not favorable for their existence, reflect the phylogenetic development of the given species, i.e., they are, so to say, manifestations of atavism, a reversion to close or distant ancestors. As result variants appear which are similar in features and properties to the phylogenetically preceding species. This atavistic variability cannot be likened to adaptive variability or directed variability. The authors stress that the study of adaptive variability in cultures of bacteria of the intestinal group can be adapted for ascertaining the fundamental stages

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Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35490

of the evolutionary development of the species  
studied and for ascertaining the phylogenetic  
links between these and other species.

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CA

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High-quality adhesive with the addition of synthetic rubber for book binding. L. G. Zhulanova and A. I. Yurshenko. *Poligraf. Protsessirovaniye* 1948, No. 7; *Chem-Zeit.* 1949, 204. Soda or borax is added at 20-25%, with continuous stirring, to casein which has been allowed to swell in water. After 30-40 min., as stirring is continued, an ag. suspension of synthetic rubber, especially divinylidene chloride rubber, is added. Finally a soln. of phenol is added as an antiseptic. The finished adhesive contains, e.g., 1000 g. of casein, 100-200 g. of soda or borax, 400-500 cc. of 27% rubber suspension, 4000-4500 cc. of water, and 30 cc. of dil. phenol. The viscosity of the finished adhesive is 10.5 g./cm.; its adhesiveness is 310 g./cm. M. G. Moore

SAVITSKIY, Ye.M.; TYLKINA, M.A.; ZIDANOVA, L.L.; ZUBKOVA, L.A.; STARKOV, V.N.;  
FOKIN, A.G.; PETROVA, L.S.; ARKUSHA, T.I.

Investigating the properties of rhenium and rhenium alloys with  
tungsten and molybdenum. Issl. po sharopr. splav. 9:194-203 '62.  
(MIRA 16:6)

(Rhenium--Testing)

40990

18.1152

S/659/62/009/000/027/030  
1003/I203

AUTHORS: Savitskiy, Ye. M., Tylkina, M. A., Zhdanova, L. L., Zubkova, L. A., Starkov, V. N., Fokin, A. G., Petrova, L. S., and Arkusha, T. I.

TITLE: The properties of rhenium, rhenium-tungsten and rhenium-molybdenum alloys

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Issledovaniya po zharoprochnym splavam. v. 9. 1962. Materialy Nauchnoy sessii po zharoprochnym splavam (1961 g.), 194-203

TEXT: Modern technology demands the most refractory metals such as W, Re, Ta and Mo. In the present work the microstructure and the mechanical properties of Re-W and Re-Mo were investigated at room and at 2600°-3400°C. Methods of casting and of plastic deformation of W-Re, Mo-Re and W-Mo-Re alloys were developed. It was shown that when tungsten and molybdenum are alloyed with rhenium there is an increase in plasticity in machinability in weldability and in strength, and the temperature of recrystallization increases by 400-500°C. There are 4 figures and 1 table.

Card 1/1

ZHDANOVA, L. N.

"Fever Reactions in Cases of Acute Atrophy of the Liver," Klin. Med., 27, No. 6, 1949.

Mbr., 1st Therapeutics Clinic, Moscow Oblast Sci. Res. Clinical Inst., -c1949-.

NAUMOVA, Nadezhda Aleksandrovna; ZHDANOVA, L.N., red.

[Potato late blight] Fitoftora kartofelia. 2. perer. 1 dop.  
izd. Leningrad, Kolos, 1965. 187 p. (MIRA 18:12)

ANSIN, Andrey Nikolayevich; ALEKSEYEV, Nikolay Ivanovich; ZHDANOVA,  
L.N., red.

[Leaders in vegetable gardening] Perekopki ovoshchevod-  
stva. Leningrad, Kolos, 1965. 65 p. (MIRA 18:8)

BOBINSKAYA, Sitiaka Gabdulovna; GRIGOR'YEVA, Tat'yana Grigor'yevna;  
PERSIN, Solomon Abramovich; ZHDANOVA, L.N., red.

[Wireworms and their control] Provolochniki i mery bor'by s  
nim. Leningrad, Kolos, 1965. 221 p. (MIRA 18:9)

MANUKYAN, A.A.; GLUSHKOV, V.P.; SHVEDKOVA, V.M.; SVIRIDOVA, Z.P.; CHEBOTAREVA, Ye.A.; SHUMILIN, V.I.; PUDINA, K.V.; BRAGINA, N.M.; LUTSKAYA, Ye.Ye.; KODACHENKO, A.S.; KOSOVA, V.A.; MOKLYARSKIY, B.I.; GRECHIKHIN, A.A.; KULIKOV, N.I.; RYDVANOV, N.F.; BEL'CHUK, A.I.; VINTSER, Yu.I.; ROZENTAL', Ye.I.; BELOUS, T.Ya.; SIDOROV, V.F.; ZHDANOVA, L.P.; ALEKSANDROVSKAYA, L.I.; KOVAL', V.V.; KHAVINSON, Ya.S., glavnnyy red.; SOKOLOV, I.A., zam.glavnogo red.; ALEKSANYEV, A.N., red.; ARZUMANYAN, A.A., red.; BELYAKOV, A.S., red.; BECHIN, A.I., red.; VARGA, Ye.S., red.; LEMIN, I.M., red.; LYUBIMOVA, V.V., red.; SKOROV, G.Ye., red. V redaktsirovaniyu uchastvovali: SHAPIRO, A.I., red.; TATISHCHEV, S.I.. KOVRIGINA, Ye., tekhn.red.

[Economic conditions of capitalistic countries; review of business conditions for 1958 and the beginning of 1959] Ekonomicheskoe polozhenie kapitalisticheskikh stran; kon'yunktturnyi obzor za 1958 g. i nachalo 1959 g. Moskva, Izd-vo "Pravda," 1959. 127 p. (Prilozhenie k zhurnalnu "Mirovaya ekonomika i mezhdunarodnye otnosheniya," no.8, avgust 1959 g.) (MIRA 12:9)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy. 2. Kollektiv sotrudnikov kon'yunkturnogo sektora Instituta mirovoy ekonomiki i mezhdunarodnykh otnosheniy AN SSSR (for Glushkov, Shvedkova, Sviridova, Chebotareva, Shumilin, Pudina, Bragina, Lutskaya, Kodachenko, Kosova, Moklyarskiy, Grechikhin, Kulikov, Rydvakov, Bel'chuk, Vintser, Rozental', Belous, Sidorov, Zhdanova, Aleksandrovskaya, Koval'). (Economic conditions)

MUSAYELYAN, Shabo Aslanovich; YURGENSON, A.P., otv. ed.; ZHDANOVA,  
L.P., red.; BRAYNINA, M.I., tekhn. red.

[Mountain waves in the atmosphere] Volny prepiatstvii v atmosfere. Leningrad, Gidrometeoizdat, 1962. 142 p.  
(MIRA 15:9)

(Atmospheric turbulence)

LOGVINOV, K.T., kand. fiz.-mat. nauk, red.; ZHDANOVA, L.P., red.;  
HELEN'KAYA, L.L., red.; ZARKH, I.M., tekhn. red.

[Materials of conferences dealing with the results of the International Geophysical Year (1960) and the meteorological exploration of Antarctica (1959)] Materialy konferentsii po itogam MGG (1960) i meteorologicheskogo izuchenia Antarktidy (1959). Pod red. K.T.Logvinova. Moskva, Gidrometeorizdat (otdelenie), 1961. 363 p. (MIRA 15:4)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeorologicheskoy sluzhby.

(International Geophysical Year, 1957-1958)

(Antarctic regions—Meteorology)

BAIDAL, Mikhail Kharlamovich; UTESHEV, A.S., red.; ZHDANOVA, L.P.,  
red.; SERGEYEV, A.N., tekhn. red.

[Long-range weather forecasting by the complex large-scale circulation method] Kompleksnyi makrotsirkulyatsionnykh metod dolgosrochnykh prognozov pogody. Pod red. A.S.Utesheva. Leningrad, Gidrometeor. izd-vo, 1961. 211 p.  
(MIRA 15:3)

(Weather forecasting)

GOL'TSBERG, I.A., doktor geogr. nauk; VERIGO, S.A., kand. sel'khoz. nauk; SINEL'SHCHIKOV, V.V., kand. sel'khoz. nauk; BORISO-GLEBSKIY, G.I., kand. geogr. nauk; OKUSHKO, A.A., kand. geogr. nauk; RUDNEV, V.M., kand. geogr. nauk; DAVITAYA, F.F., akademik, otv. red.; ZHDANOVA, L.P., red.; ALEKSEYEV, A.G., tekhn. red.

[Evaluation of the agroclimatic conditions of farm lands] Otse-na ka agroklimaticheskikh uslovii sel'skokhoziaistvennykh polei. Leningrad, Gidrometeo.izd-vo, 1961. 75 p. (MIRA 15:2)

1. Akademiya nauk Gruzinakoy SSR (for Davitaya).  
(Crops and climate)

ARKHANGEL'SKIY, Viktor L'vovich; ZHDANOVA, L.P., red.; PLAUM, M.Ya.  
tekhn.red.

[Influence of the Sikhote-Alin' Range on synoptic processes  
and distribution of precipitation] Vliianie Sikhte-Alinia  
na sinopticheskie protsessy i raspredelenie osadkov. Lenin-  
grad, Gidrometeor.izd-vo, 1959. 163 p. (MIRA 13:2)  
(Sikhote-Alin' region--Meteorology)

KOSTIN, Sergey Iosifovich; POKROVSKAYA, Taisiya Vasil'yevna; DROZDOV,  
O.A., otv. red.; ZHDANOVA, L.P., red.; SOLOVEYCHIK, A.A., tekhn.  
red.; BRAYNINA, M.I., tekhn. red.

[Climatology] Klimatologija. 2. izd., ispr. i dop. Leningrad,  
Gidrometeor. izd-vô, 1961. 485 p. (MIRA 14:10)  
(Climatology)

SELYANINOV, Georgiy Timofeyevich; GOL'TSBERG, I.A., otv. red.; ZHIDANOVA,  
I.P., red.; SOLOVEYCHIK, A.A., tekhn. red.; VOLKOV, N.V., tekhn.  
red.

[Possibilities for the development of subtropical crops in the  
U.S.S.R. in view of natural conditions] Perspektivy razvitiia sub-  
tropicheskogo khoziaistva SSSR v sviazi s prirodnymi usloviiami;  
agroklimaticheskaiia kharakteristika. Leningrad, Gidrometeor. izd-  
vo, 1961. 194 p. (MIRA 14:10)

(Tropical crops)

GOL'TSBERG, Ida Arturovna; POKROVSKAYA, T.V., oty. red.; ZHDANOVA, L.P.,  
red.; USHAKOVA, T.V., red.; VOLKOV, N.V., tekhn. red.

[Unseasonable frosts in the U.S.S.R., their agroclimatic characteristics  
and control] Agroklimaticheskaiia kharakteristika zamorozkov v SSSR i ne-  
tody bor'by s nimi. Leningrad, Gidrometeor. izd-vo, 1961. 197 p.  
(MIRA 14:7)

(Frost)

BABCHENKO, V.N., otv.red.: ZHIDANOVA, L.P., red.; NEDOSHIVINA, T.G., red.  
Prinimali uchastiey: MARTYNOV, S.I., red.; PERMYAKOVA, A.I.,  
red. SUKHIKH, L.G., red.; BRAVININA, M.I., tekhn.red.

[Agroclimatic manual for Chelyabinsk Province] Agroklimaticheskii  
spravochnik po Cheliabinskoi oblasti. Leningrad, Gidrometeor.  
izd-vo, 1960. 155 p.

(MIRA 14:4)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeorologicheskoy sluzhby. Ural'skoye upravleniye. 2. Direktor Sverdlovskoy gidrometobservatorii (for Martynov). 3. Nachal'nik otdela klimatologii Sverdlovskoy gidrometobservatorii (for Permyakova).

(Chelyabinsk Province--Crops and climate)

DAVITAY, F.F., doktor sel'skokhoz.nauk, red.; ZHDANOVA, L.P., red.;  
VOLKOV, N.V., tekhn.red.

[Problems in applied climatology; a collection of articles]  
Voprosy prikladnoi klimatologii; sbornik statei. Pod red.  
F.F.Davitaia. Leningrad, Gidrometeor.izd-vo, 1960. 159 p.  
(MIRA 14:4)

1. Leningrad. Glavnaya geofizicheskaya observatoriya.  
(Climatology)

BERLYAND, Mark Yevseyevich; KRASIKOV, Pavel Nikolayevich; DAVITAYA, P.P.,  
otv.red.; ZHIDANOVA, L.P., red.; SERGEEV, A.N., tekhn.red.

[Frost prediction and control] Predskazanie zamorozkov i bor'ba  
s nimi. Izd.2., dop. Leningrad, Gidrometeo.izd-vo, 1960. 146 p.  
(MIRA 14:3)

(Frost protection)

MATVEYEVA, V.V.; KURDIN, R.D., otv.red.; TIRASPOL'SKAYA, R.S., red.;  
ZHDANOVA, L.P., red.; SERGEYEV, A.N., tekhn.red.

[Agroclimatic manual for East Kazakhstan Province] Agroklimati-  
cheskii spravochnik po Vostochno-Kazakhstanskoi oblasti. Lenin-  
grad, Gidrometeor.izd-vo, 1960. 152 p. . . . (MIRA 14:4)

1. Kazakh S.S.R. Upravleniye gidrometeorologicheskoy sluzhby.
2. Direktor Alma-Atinskoy gidrometeorologicheskoy observatorii  
(for Kurdin).  
(East Kazakhstan Province--Crops and climate)

SKVORTSOV, L.P., otv.red.; ZHIDANOVA, L.P., red.; SERGEEV, A.N., tekhn.red.;  
VOLKOV, N.V., tekhn.red.

[Agroclimatic manual for Tyumen Province (southern part)] Agroklimaticheskii spravochnik po Tiumenskoi oblasti (iushnaya chast').  
Leningrad, Gidrometeoizd-vo, 1960. 163 p. (MIRA 14:4)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeorologicheskoy sluzhby. Omskoye upravleniye.  
(Tyumen Province--Crops and climate)

VORONTSOV, P.A.; MESHCHERSKAYA, A.V.; SELEZNEVA, Ye.S.; CHESTNAYA, I.I.;  
AYNBUND, M.M.; KIRILLOVA, T.Y.; NESINA, L.V.; OGHEVA, T.A.;  
SEROVA, N.V.; TIMOFEEV, M.P., kand.fiz.-mat.nauk; ZHIDANOVA, L.P.,  
red.; BRAYNINA, M.I., tekhn.red.

[Meteorological regime of Lake Sevan] Meteorologicheskii reshim  
ozera Sevan. Pod red. M.P.Timofeeva. Leningrad, Gidrometeo.  
izd-vo, 1960. 310 p. (MIRA 14:3)

L. Leningrad. Glavnaya geofizicheskaya observatoriya.  
(Sevan Lake region--Meteorology)

UTIMAGAMBETOV, M.M., kand.geogr.nauk; BERLYAND, T.G., kand.geogr.nauk;  
BEZVERKHNIY, Sh.A., kand.fiz.-matem.nauk; BAYDAL, M.Kh., kand.  
geogr.nauk; KUZNETSOV, A.T., kand.geogr.nauk; CHUBUKOV, L.A.,  
doktor geogr.nauk; SHVYREVA, Yu.G., mladshiy nauchnyy storudnik;  
UTESHEV, A.S., kand.geogr.nauk; GOL'TSBERG, I.A., doktor geogr.  
nauk; KLYKOVA, Z.D., starshiy nauchnyy storudnik; MEN'SHIKOVA,  
Ye.A., mladshiy nauchnyy storudnik; GEL'MGOL'TS, N.F., starshiy  
nauchnyy storudnik; PROKHOROV, I.I., starshiy nauchnyy storudnik;  
TKACHENKO, N.S., mladshiy nauchnyy storudnik; ZHDANOVA, L.P.,  
red.; BRAYNINA, M.I., tekhn.red.

[Climate of Kazakhstan] Klimet Kazakhatana. Pod red. A.S.Ute-  
sheva. Leningrad, Gidrometeor.izd-vo, 1959. 366 p.  
(MIRA 13:5)

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(Kazakhstan--Climate)

SHUL'MAN, S.M., otv.red.; PAKHNEVICH, S.Ya., red.; ZHDANOVA, L.P., red.;  
SERGEEV, A.N., tekhn.red.

[Agroclimatic reference book on Tomsk Province] Agroklimaticheskii  
spravochnik po Tomskoi oblasti. Leningrad, Gidrometeor.izd-vo,  
1960. 135 p. (MIRA 13:11)

1. Novosibirsk. Gidrometeorologicheskaya observatoriya.
  2. Nachal'nik Zapadno-Sibirskogo upravleniya gidrometstuzhby  
(for Shul'man). 3. Direktor Novosibirskoy gidrometeorologicheskoy  
observatorii (for Pakhnevich).
- (Tomsk Province--Crops and climate)

BALASHOVA, Yelena Nikolayevna; ZHITOMIRSKAYA, Ol'ga Moiseyevna;  
SEMENOVA, Ol'ga Aleksandrovna; ZHDANOVA, L.P., red.,  
V redaktsiroyanii priminal' uchastiye KOZIK, S.M.. VLADIMIROV,  
O.G., tekhn.red.

[Climatic description of the republics of Central Asia]  
Klimaticheskoe opisanie respublik Srednei Azii. Leningrad,  
Gidrometeor.izd-vo, 1960. 240 p. (MIRA 13:8)  
(Soviet Central Asia--Climate)

ZHDANOVA, L.P.; LEBEDEVA, N.M.; CHVIZH, O.

Activity of the leaf apparatus and the formation of seed in  
sunflowers. Fiziol.rast. 7 no.1:35-43 '60.  
(MIRA 13:5)

I. K.A.Timiriazev Institute of Plant Physiology, U.S.S.R.  
Academy of Sciences.  
(Sunflower seed) (Leaves)

BALASHOVA, Yelena Nikolayevna; ZHITOMIRSKAYA, Ol'ga Moiseyevna;  
SEMENOVA, Ol'ga Aleksandrovna; KOZIK, S.M., red.; ZHDANOVA,  
L.P., red.; VLADIMIROV, O.G., tekhn.red.

[Climatic characteristics of the republics of Central Asia]  
Klimaticheskoe opisanie respublik Srednei Azii. Leningrad,  
Gidrometeor.izd-vo, 1960. 240 p.  
(Soviet Central Asia--Climate) (MIRA 13:7)

KALININ, G.P.; MILYUKOV, P.I.; VAZHNOVA, A.N., otv.red.; ZHIDANOVA, L.P., red.;  
VIADIMIROV, O.G., tekhn.red.

[Approximate calculation of unsettled motion of water masses]  
Priblizhennyi raschet neustanovivshegospia dvizheniya vodnykh  
mass. Leningrad, Gidrometeor. izd-vo, 1958. 70 p. (Moscow,  
TSentral'nyi institut prognozov. Trudy, no.66) (MIRA 12:1)  
(Hydrology)

USSR/Plant Physiology. Respiration and Metabolism

I-2

Abs Jour : Ref Zhur - Biol., No 19, 1958, No 86618

Author : Prokof'yev A.A., Zhdanova L.P., and Sobolev A.M.

Inst : Institute of Plant Physiology AS USSR

Title : Certain Laws of the Flow of Substances from Leaves Toward the Reproductive Organs

Orig Pub : Fiziol. Rasteniy, 4, No 5, 425-431, 1957

Abstract : 10-20 days after flowering,  $\text{C}^{14}\text{O}_2$  saccharose- $\text{C}^{14}$ ,  $\text{CH}_3\text{C}^{14}$  OOK and  $\text{Na}_2\text{HP}^{32}\text{O}_4$  were introduced into individual leaves of the "Karlik Stepnoy", "Saratovskiy Ranniy" and "Krasnodarskiy 5966" varieties of leaf mustard and sunflower, through placement of solutions on leaves or their introduction by the vacuum-infiltration method, daily for a period of 5, 10 and 15 days. Also, the leaves were exposed for 20-minute intervals to an atmosphere with  $\text{C}^{14}\text{O}_2$ . In the leaf mustard, the upper-tier leaves proved to be most active in nourishing the fruits and seeds. In the sunflower, regardless of the tier,

Card : 1/2

USSR/Plant Physiology. Respiration and Metabolism

I-2

Abs Jour : Ref Zhur - Biol., No 19, 1958, No 85618

every leaf supplied only the sector of anthodium located directly above it. However, after immersion of the end of a cut-off stalk into a solution of labeled saccharose or acetate, on the second or third day, there occurred the ingress of Cl<sup>4</sup> into all zones of the anthodium. The elimination, on the fourth day after flowering, of the leaves of a single ortholine exerted no effect on the development of seeds, while the elimination of the leaves of 3-4 ortholines resulted in an asymmetrical growth of the anthodium and in arrest of the development of the seeds located above the eliminated leaves. The study was executed in the Institute of Plant Physiology, AS USSR.--B.Ye. Kravtsova

Card : .2/2

ZHDANOVA L.P.

AYZENSHTAT, Boris Abramovich; BALASHEVA, Yelena Nikolayevna; ZHITOMIRSKAYA,  
Ol'ga Maciseyevna; BABUSHKIN, L.N., prof., red.; ZEDANOVA, L.P.,  
red.; FLAUM, M.Ya., tekhn.red.

[Climatological description of the Golodnaya Steppe] Klimaticheskoe  
opisanie Golodnoi stepi. Pod red. L.N.Babushkina. Leningrad,  
Gidrometeor. izd-vo, 1958. 73 p.  
(MIRA 11:?)  
(Golodnaya Steppe—Climate)

PROKOF'YEV, A.A.; ZHDANOVA, L.P.; SOBOLEV, A.M.

Some features of the translocation of substances from leaves to reproductive organs [with summary in English]. Fiziol. rast. 4 no.5t425-431 S-0 '57. (MIRA 10:11)

1. Institut fiziologii rasteniy im. K.A. Timiryazeva AN SSSR, Moskva.  
(Plants, Motion of fluids in) (Oilseed plants)

"APPROVED FOR RELEASE: 07/19/2001

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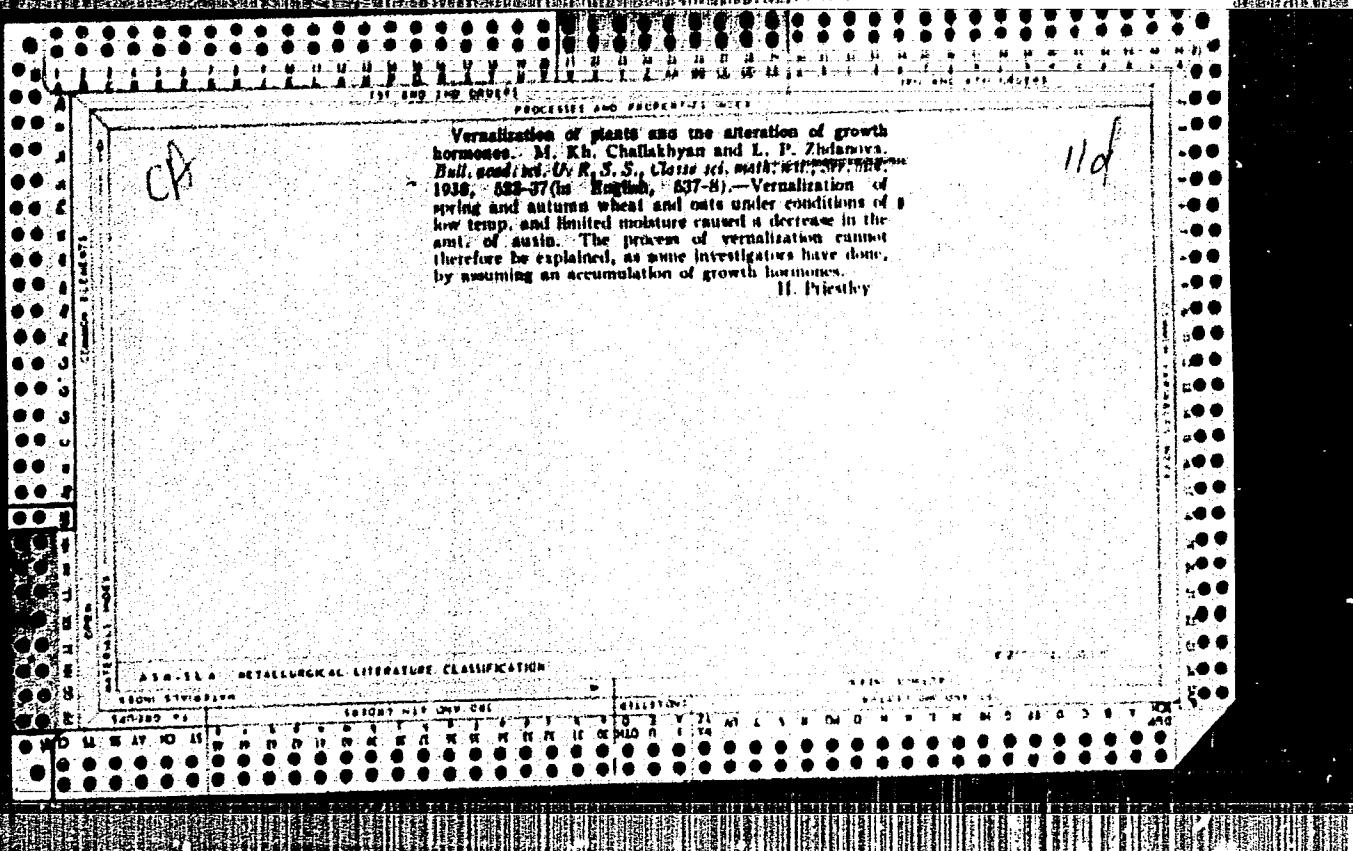
CIA-RDP86-00513R002064620019-1"

KUDRYASHEV, Gennadiy Mikhaylovich; OVCHINNIKOV, Mikhail Nikiforovich;  
RUL'KEV, G.V., oty.red.; ZHDANOVA, L.P., red.; SLOVEYCHIK, A.A., tekhn. red.

[Tables for the computation of soil moisture] Tablitsy dlia  
vychisleniya vlaghnosti pochvy. Leningrad, Gidrometeor. izd-vo,  
1958. 483 p. (MIRA 11:12)  
(Soil moisture--Tables,etc.)

ZANINA, Anastasiya Andreyevna; POKROVSKAYA, T.V., ovt.red.; ZHDANOVA, L.P.,  
red.; VLADIMIROV, O.G., tekhn.red.

[Regions of the Far East, Kamchatka, and Sakhalin] Dal'nevostochnye  
raiony, Kamchatka i Sakhalin. Leningrad, Gidrometeor. izd-vo,  
1958. 166 p. (Klimat SSSR, no.6) (MIRA 12:2)  
(Soviet Far East--Climate)



Mechanism of auxin-formation in green plants. I. V. Zhdanov. "Comp. rend. acad. sci. U. R. S. S." 24, 625-6 (1959) (in English).—The place of auxin formation in *Hydrangea heteromalla* (I) was determined by removing the growth points of 1 shoot, stripping leaves from a second and using a third shoot as control. A second plant was stripped of leaves. The shoot tips were tested for auxin 8 to 6 days later by Went's method (cf. C. A. 33, 6887). None was found in stems lacking growth points or plants from which all leaves were removed but it was present in the tips of leafless shoots. Apparently auxin is produced in growth points from substances stored by leaves and which can move freely in the plant. All buds were removed from *Lysimachia* (III) plants 1 month old and 7-8 days later auxin was found from the leaves with  $k_{1/2}$ . The auxin content was much lower than that in leaves of normal plants. Leaves cut from whole and decapitated I and *Hedera helix* (I) were kept in light and darkness. Under both conditions, leaves from decapitated plants gave no geotropic response but the response of leaves from normal plants was marked, an indication that auxin is developed in the buds and flows down the stems to the leaves. Covering whole plants or only the leaves of tobacco (III) or

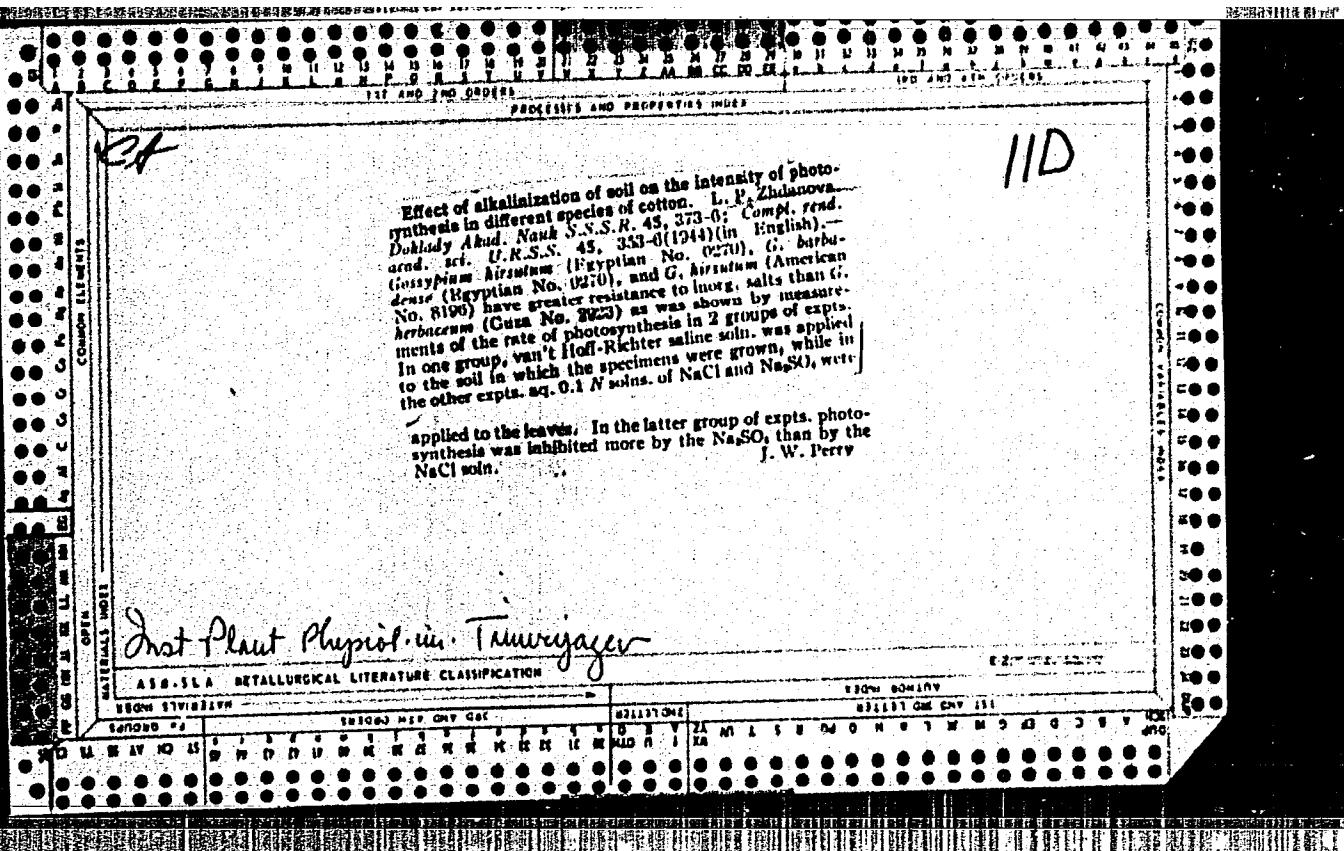
chrysanthemum (IV) with varying amounts of gauze to influence the incident light showed that a decrease in auxin in the tips was decreased to a similar extent by decreased illumination of either the whole plant or only the leaves. Vacuum infiltration of 0.2 and 0.4 mol. glucose daily into III and IV kept for 10-13 days in the dark caused auxin production which was absent in plants receiving no glucose. Introduction of 2% glucose into stems of leaves I produced auxin in the growing tips which was absent from controls receiving distilled water. Auxin-free tips 2.5 cm. long of II were grown on glucose soln. for 5-6 days and tested for auxin. Its presence proved that plant leaves did not synthesize or store auxin precursors. It is concluded that the mechanism of auxin formation includes photosynthesis of sugars in the leaf and their transport to the growing buds where they are converted to auxin. From the buds, auxin flows to the lower stems and leaves.

Nelson McKeith, Jr.

Inst. Plant Physiol., Inst. Timiryazev

AER-1A METALLURGICAL LITERATURE CLASSIFICATION

STUDY SUBJECTS  
SEARCHED M/S DAY JNL



ZHDANOVA, L. P.

Mbr., Laboratory of the Physiology of Development, the K. A. Timiryazev Institute of Plant Physiology, Acad. Sci. - 1947 -

"Periodicity Reaction of Short-Day and Long-Day Plants in Connection with Their Ages," Dok. AN, 58, No. 1, 1947

ZHDANOVA, L. P.

PA 78T39

USC/Medicine - Plant Physiology  
Medicine - Botany

Jun 1948

"An Analysis of the Phenomenon of Vegetative Growth,"  
L. P. Zhdanova, Inst of Plant Physiol imeni K. A.  
Timiryazev, Acad Sci USSR, 4 pp

"Dok Ak Nauk SSSR" Vol IX, No 8

Results of experiments conducted during 1947 to obtain  
artificial vegetative growth. Submitted by Acad N. A.  
Maksimov 19 Apr 1948.

78T39

ZHDANOVA, L. P.

PA 11/49165

USSR/Medicine - Plants  
Medicine - Hormones

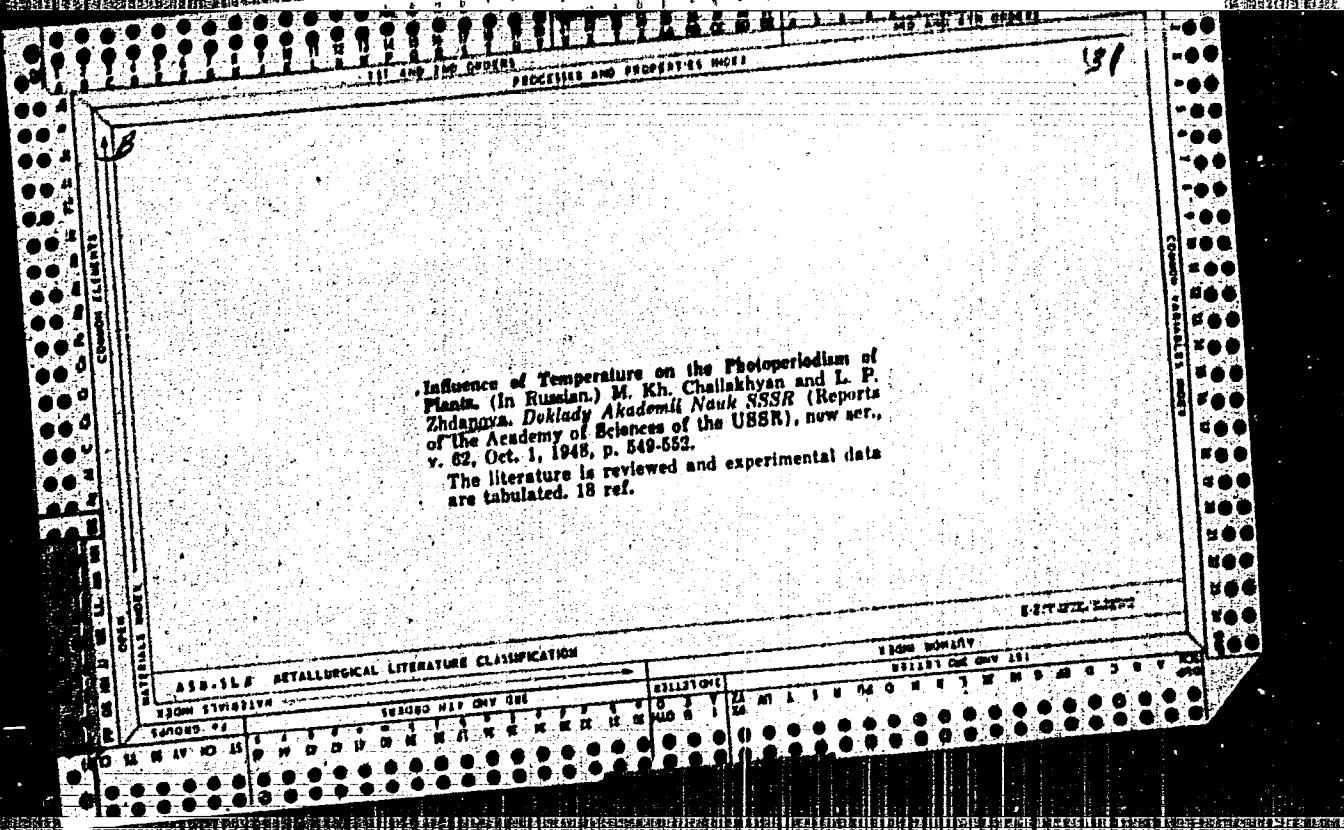
Jul 48

"Output Rate of Plant Hormones During Photoperiodic  
Induction," L. P. Zhdanova, 3 pp

"Dok Ak Nauk SSSR", Vol LXI, No 3

Reports experiments on *Perilla coymoides* and  
*Rudbeckia bicolor*. Tabulates and discusses re-  
sults. Submitted 18 May 48.

11/49165



119

CA

The significance of gaseous regime in the "light" phase of plants. L. P. Zhukova, Doklady Akad. Nauk S.S.R.N., 70, 715-718 (1950).  
Plants, with *Perilla* grayana and *Rudbeckia* bicolor placed for various portions of the periods of darkness in N atm., for 10-12 days or longer, with either 10- or 13-hr. light periods showed that immersion in a N atm. (anaerobic condition) during periods of darkness under conditions of short illumination

(10 hrs. day) gave a sharp repression of the reproductive development of *Perilla* but aided that of *Rudbeckia*; the result was the same when N immersion was but 5-6 hrs. The results explained by disturbance of normal oxidation-reduction processes are supported by expt., with similar treatment with an atm. containing various narcotics (phenyl-nitrite,  $\text{CH}_3\text{CO}_2\text{H}$ ,  $\text{H}_2\text{S}$ ,  $\text{C}_2\text{H}_2$ ); in *Perilla* the reproductive development was retarded completely but the general condition of the plants was satisfactory; *Rudbeckia* showed no changes in the process of reproductive development but all specimens suffered from growth retardation. Thus the artificial enhancement of anaerobic conditions in the dark periods retards flower growth in short-day plants and stimulates that of long-day ones.  
(i. M. Kosolapoff)

ZHDANOVA, L. P.

Plants - Respiration

Effect of length of day on intensiveness of plant respiration., Trudy Inst.  
fiziol. rast., 7, no. 2, 1951.

Monthly List of Russian Accessions, Library of Congress, March 1952. UNCLASSIFIED.

ZHDANOVA, L.P., kandidat biologicheskikh nauk.

House leek sprouts. Priroda 41 no.7:127-128 Jl '53.

(MLRA 6:6)

1. Institut fisiologii rasteniy imeni K.A.Timiryazeva Akademii nauk SSSR.  
(Leeks)

ZHDANOVA, L. P.

PA 244T3

USSR/Agriculture - Trace elements

Feb 53

"On Manganese Fertilizers," Cand Biol Sci L. P.  
Zhdanova, Inst Plant Physiol imeni K. A. Timiryazev,  
Acad Sci USSR

"Priroda" Vol 42, No 2, p 128

Describes the use of manganese slags and sludges as fertilizer. Says that experimental use of manganese sludge fertilizer increases the weight of sugar beet plant roots by 43% and the yield of sugar by 49%. In field experiments, an additional yield of 11-20 centners of sugar beets per hectare was obtained.

244T3

Manganese fertilizers are also beneficial in improving the yields of other crops (provided that there is a shortage of Mn in the soil) and may be used to advantage for the treatment of seed before planting. The optimal quantity of fertilizer is 2-4 centners per hectare. Mn sludge contains 14-22 % of manganese oxide.

244T3

ZHDANOVA, L.P., kandidat biologicheskikh nauk.

Rose-colored and white flowers of the double camellia. Priroda 42 no.9:128  
S '53. (MLRA 6:8)

I. Institut fiziologii rasteniy Akademii nauk SSSR.

(Camellia)

ZHDANOVA, L.P.

ZHDANOVA, L.P.; IVANOVA, G.V.

Change in the activity of lipase and aldolase in relation to  
fat formation in ripening sunflower seeds. Fiziol.rast. 1  
no.2:122-130 N-D '54. (MIRA 8:10)

1. Institut fiziologii rasteniy imeni K.A.Timiryazeva Akademii  
nauk SSSR, Moscow  
(Enzymes) (Sunflower seed)

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ZHDANOVA, L.P.

Volatile acid content in leaves and seeds of ripe oilseed plants.  
Dokl. AN SSSR 156 no. 5:1229-1231 Je '64. (MIRA 17:6)

1. Institut fiziologii rasteniy im. K.A.Timiryazeva AN SSSR.  
Predstavлено академиком А.Л.Курсановым.

SHUMANOV, A.'.; SOKOLOV, B.S.; CHERKASHENINA, Ye.F.; GARSKOVA,  
K.I.; CHULKOV, M.P.; BORISENOK, V.G.; RAIMOVA, S.S.; KULIK,  
O.A.; UDALOVA, L.I.; KAZACHKOV, S.S., otv. red.; ZHDANOVA,  
L.P., red.

[Agroclimatic manual on Omsk Province] Agroklimaticheskii  
spravochnik po Omskoi oblasti. Leningrad, Gidrometeoizdat,  
1959. 227 p. (MIRA 17:7)

1. Russia (1923- U.S.S.R.) Glavnaya upravleniya gidrometeorologicheskoy sluzhby. Omskoye upravleniye. 2. Gidrometeorologicheskaya observatoriya Omskogo upravleniya gidrometeorologicheskoy sluzhby (for all except Kazachkov, Zhdanova).

MIKHAYLOV, A.N., otv. red.; SAKULINSKAYA, M.G., otv. red.;  
ZHDANOVA, L.P., red.; BOLKOV, N.V., tekhn. red.

[Handbook on agricultural climatology in Gorkiy Province]  
Agroklimaticheskii spravochnik po Gor'kovskoi oblasti. Le-  
ningrad, Gidrometeoizdat, 1959. 141 p. (MIRA 17:3)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeo-  
rologicheskoy sluzhby. Verkhne-Volzhskoye upravleniye.

BESOVSEVA, A.G.; SMIRNOV, A.G.; MAANVERE, E.; LILLEMAA,A.,  
kand. sel'khoz. nauk; PIKHLASTE, L.K.[Pihlaste, L.];  
PROKHOROVA, Z.P.; MARTIN, I.; KUL'BIN, V.P.; ISAYEVA,  
Z.I.; EYPRE, T.F.[Eipre, T.]; RODINA, N.V.; SUBBOTINA,  
V.M.; ZHDANOVA, L.P., red ; BRAYNINA, M.I., tekhn. red.

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MANUKYAN, A.A.; RYDVANOV, N.F.; BELOUS, T.Ya.; SVIRIDOV, Z.P.; CHEBOTAREVA, Ye.A.; SHUMILIN, V.I.; PUDINA, K.V.; LUTSKAYA, Ye.Ye.; BRAGINA, N.M.; SANDAKOV, V.A.; MUSSO, S.; ZAHLOTSKAYA, A.I.; VDOVICHENKO, D.I.; MIRKINA, I.Z.; MORENO, I.; SIDOROV, V.F.; MOKLYARSKIY, B.I.; GRECHIKHIN, A.A.; KOSOVA, V.A.; KULIKOV, N.I.; ZHDANOVA, L.P.; ROZENTAL', Ye.I.; PETRANOVICH, I.M.

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Clinical and epidemiologic observations of recurrent scarlet fever.  
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1. Iz Leningradskogo pediatriceskogo meditsinskogo instituta (dir. -  
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prof. M.G.Danilevich).

(SCARLET FEVER, ther.  
penicillin, prev. of recur.)  
(ПЕНИЦИЛЛИН, ther. use  
scarlet fever, prev. of recur.)

L 47403-66 EWT(m)/EWP(t)/ETI IJP(e) WB/JD

ACC NR: AR6025772

SOURCE CODE: UR/0058/66/000/004/D062/D062

46B

AUTHOR: Zhdanova, L. V.; Sokolov, V. A.

TITLE: Investigation of the electron-vibrational and line structure of the aluminum oxidation spectrum

SOURCE: Ref. zh. Fizika, Abs. 4D480

REF SOURCE: Izv. Tomskogo politekhn. in-ta, v. 138, 1965, 255-258

TOPIC TAGS: aluminum, spectral line, oxidation kinetics, flame spectroscopy, vibration spectrum, electron spectrum, Boltzmann distribution

ABSTRACT: To investigate the excitation of AlO molecules and the conditions under which equilibrium is obtained in the flame, a study was made of the oxidation spectrum of Al in the flame of aluminum powder burning in oxygen. It is established that the distribution of the AlO molecules, which are in the gaseous phase in the flame and produce in the 5400 - 4400 Å region bands of electron-vibrational structure against the continuous background, obeys the Boltzmann law with respect to the vibrational states. The relative intensities of the aluminum lines in a flame and in an arc are compared, and it is shown that the intensity distribution is the same. The relatively low temperature obtained from the vibrational structure of the AlO molecules is attributed to the fact that these molecules exist only in the colder zones of the flame. [Translation of abstract]

SUB CODE: 20

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